

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995

From: johnmb@nando.net

Subject: "BA" WWW Site. Your comments?

Message-ID: <9511192253.AA05153@merlin.nando.net>

I'm (thinking of/in the process of) creating a WWW page for displaying, well, all the stuff that we talk about here.... I've contacted my old web provider for access, and am wondering if this is of any interest to any of the rest of you.

I have access to a scanner, and was thinking of scanning in pictures of stations, rigs, keys, and whatever else BA-ish, seems interesting to scan in.... if there is interest, perhaps other list-folk could send in photos to scan in, in order to keep the site dynamic. I would love to see some of the stations discussed on this list. Is this of any interest, or do I need to get out more? I'd like to see NA4G's Hartleys on the net, as well as Robertas' mondo transmitter site, as well as images of rigs I've never seen yet.

I also thought about one other thing (that may or may not be legal). Does anyone know of the legality of posting schematics of vintage gear? If I was to make a scan of a Ranger schematic available on the net, for example, would I run afoul of someones legal department? If so, I'd have to refrain, but I thought it might be valuable to scan in prints for common gear, and put them in a FTP library as well.

My old site does have a dedicated T1 line, so it should have adequate bandwidth to support such an effort, without hammering theporch any. I seriously doubt that the pages would ever get more than niche traffic anyway, but it might be fun!

Your comments appreciated. If this gets off the ground, I would hope to make this available in a month or so. In addition to providing gear and shack pics, I'd hope to learn a little more about HTML....

So, firebottle folk, what do you think? Comments pro and con appreciated.  
73,  
john wb5oau/4

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>

Subject: "BA" WWW Site. Your comments?

Message-ID: <9511192317.aa29490@jackatak.theporch.com>

John and the Gang-

> I'm (thinking of/in the process of) creating a WWW page for displaying, well,  
> all the stuff that we talk about here.... I've contacted my old  
> web provider for access, and am wondering if this is of any interest to  
> any of the rest of you.

Personally, I am not a web-surfer for reason way too complex to get into here... However, I do have some grand photos from W2IQ and Hank's marvelous time machine that I would be happy to contribute.

And this brings up a series of interesting questions...

We are about to have a few more postscript files added to the archive. These can also be printed on "conventional" printers using ghostscript, which is available at a variety of sites on the Net.

We have discussed format for images, and there doesn't seem to be a real consensus, save that for printed matter including pictures, that postscript seems to work for the best quality image...

These photos of the W2IQ shack and the wondrous radios that Hank has crafted from firebottles of the early twenties is in PhotoCD format. Sorry gang, but that is how the chaps in Atlanta do this...

\$0.90 per image to scan slides or negatives and set them on a Photo CD in a variety of resolutions, up to magazine cover quality. Minimum order is \$15 of scans (17 scans) plus \$7.00 for the CD plus shipping.

It was \$22.00 to have them scan and produce the CD with the W2IQ time machine...

> I have access to a scanner, and was thinking of scanning in  
> pictures of stations, rigs, keys, and whatever else BA-ish,  
> seems interesting to scan in...

That will be plenty good resolution for the web site... probably better than most folks could appreciate unless they download and run through a photo processor like PhotoShop[tm]

> I'd like to see NA4G's Hartleys on the net, as well as Robertas'  
> mondo transmitter site, as well as images of rigs I've never  
> seen yet.

If you have PhotoCD capability, John, email me and I'll lend you a disk for the web-site

> So, firebottle folk, what do you think? Comments pro and con appreciated.  
I think it is great!

I hope to have a CD-ROM ready to press with the archives to date and indexes through 1995 shortly after the first of the year, assuming no

major crisis gets in the way... How does one go about indexing and  
HTMLing 23,000 plus submissions over four years? ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)  
- - - BoatAnchor Mailing List Archiver/Owner - - -  
firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: x90galbraith1@wmich.edu  
Subject: 6LQ6s for sale/trade...  
Message-ID: <Pine.PMDF.3.91.951120011748.669459631A-100000@wmich.edu>

Gang,

I've been digging into my tubes, trying to weed out my needs. I've got  
an RCA NOS 6LQ6 and (2) used/tested ones. I think some Swans and smaller  
linear amps used 'em.

I'd prefer to trade 'em for tubes I need, so please e-mail if you'd be  
interested.

Also, I've got some other sweep tubes that I'll never need, so try me if  
you've got a rig that eats 'em. Sorry no 6JB6A, 6JS6C, or 6KD6.

73, Chris KA8WFC

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)  
Subject: ABC's Beatles  
Message-ID: <9511200636.AA04600@amos.YP.mystnite>

Did u watch tonite? Great prod'n! Some vintage audio like akc mic.s &  
a portable Revox playing a QuarryMen Jimmy Cochran copy (Summertime  
Blues?)

Then there was Air America on PBS with the gal at the end calling in  
Mel Gibson's C123 with a TCS

Hey Herr Firebottl, I couldn't keep myself from carbon-ing this to the net  
cause I'm not sure of the AKG, the Revox, the tune, or the TCS. I bet that'll  
get top grades for accuracy in reporting!

Marty

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: jmillier@teleteam.com (Jay H. Miller)  
Subject: Re: ABC's Beatles  
Message-ID: <v01510100acd5f39c3fac@[205.198.110.14]>

As the YL and I watched I couldn't help but feel like an old boatanchor myself! Where did all the years go?

\*\*\*\*\*  
Jay Miller, KK5IM  
jmillier@teleteam.com  
\*\*\*\*\*

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Re: Adventurer / T-50: Twins?  
Message-ID: <Pine.3.89.9511191215.A13716-0100000@mesa5.mesa.colorado.edu>

My recollection is that the Viking Adventurer and the Knight T-50 were virtually identical electronically. The Adventurer's cabinet was sealed somewhat better against TVI and had a better finish but circuit wise there was very little difference. I assume that the components were of comparable quality. I had an Adventurer and my buddy had a T-50. I believe (but cannot swear to it) that the Adventurer came with an RCA phono jack for the rf output and that I changed that to an S0-239 at the time I built the kit. Anyway, mine had an S0-239 coax connector.

Oh, how I miss the soft purplish glow of the 807 under key down conditions! You could see it very clearly through the ventilation holes in the top of the Adventurer.

Jim Rybak W0KSD

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: Archiving Photos  
Message-ID: <816880224.2428820@AppleLink.Apple.COM>

John -

One thing to consider for photo archives is photo CD. I've been doing this at work recently. One standard Photo CD holds about 100 pictures, but may hold more. The ones I use also have a copy of the viewer software on them. One shot costs about \$1 to put on and the disk is about \$35. It does require the negatives and takes about a week, but the resolution is very good. I have some shots that were taken at about 24" in which you can read the text on components and see the circuit traces very clearly.

-df

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: "Tim Shoppa" <shoppa@krl.caltech.edu>  
Subject: Re: Archiving Photos  
Message-ID: <9511201731.AA16528@altair.krl.caltech.edu>

> One thing to consider for photo archives is photo CD. I've been doing this at  
> work recently. One standard Photo CD holds about 100 pictures, but may hold  
> more. The ones I use also have a copy of the viewer software on them. One  
> shot costs about \$1 to put on and the disk is about \$35. It does require the  
> negatives and takes about a week, but the resolution is very good. I have some  
> shots that were taken at about 24" in which you can read the text on components  
> and see the circuit traces very clearly.  
>  
> -df

The photo CD certainly is a convenient way to store photos, but I wouldn't consider it a truly "archival" medium. Well stored black-and-white prints and negatives will last for hundreds of years, and are easily readable without specialized equipment (though some of certainly require a magnifying glass). Photo CD's, on the other hand, have an unproven track record regarding long-term storage. Perhaps more important than the life of the media is the availability of a photo CD reader in the future! Remember, it was just 25 years ago that the most common form of data storage was punched cards - yet you'll have a hard time finding a card reader at most computer centers today, despite the fact that the old cards are probably still perfectly readable! Who's to say that anyone but an antique computer collector (like myself, who also happens to have punched card readers at home :-)) will be able to read your photo CD in 25 years?

Tim. (shoppa@altair.krl.caltech.edu)

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: BAs in The Netherlands  
Message-ID: <68568.ddillman@igc.apc.org>

Greetings, all. I've just returned from a business trip to the Netherlands. Naturally, I used some spare time to hunt for places dealing in the type of equipment we love. Here's my report for those who may have the opportunity to visit the country.

BACO  
Kromhoutstraat 36-38  
Ijmuiden  
Phone: 0255-511612

This is a general military surplus place with clothing, shoes, etc., but also with a significant electronics and BA section. For example, I observed the following.

|                           |                   |
|---------------------------|-------------------|
| Russian R-107 transceiver | 95 Dutch Guilders |
| US RT-68                  | 145 "             |
| US RT-70                  | 70 "              |

All seemed to be in good, complete condition. There were numerous other interesting items such as German field phones, a strange (to me) German military radio system consisting of several components on a small roll-around cart, etc. There's also a section for modern electronics as well as a good assortment of laboratory glassware, stainless steel medical tools, etc. Three stars, worth a visit, Skyking sez check it out.

P.M. Quakkelstein  
Westhavenplaats 28  
3131 BT Vlaardingen (near Rotterdam)  
Phone: 010-4344523

As often happens in these expeditions, we arrived here just five minutes before closing so had to do a very quick recon. Several US military sets of post WWII vintage in the window boded well. Inside, the friendly proprietor, one assumes Mr. Quakkelstein himself, presided over one of those places crowded with shelves and bays with almost no place to walk (mind the 1" step in the floor half way back). Contents ranged from RT-68s to a "modern" 1kW SSB ship's transceiver, but mostly odd parts, components, tank coils, tubes, etc., etc. Once again, three stars, worth the visit.

One thing about shopping of any kind in the Netherlands is the prevalence of English. Another thing to be mindful of when BA shopping is that national law apparently required that a license of

some type be produced before a transmitter can be sold. My Dutch companion in this trek seemed to think that a ham ticket would do, so bring yours along if you have one and intend to acquire an sender of any type.

Best Regards,

Dick Dillman/WPE2VT  
<ddillman@igc.apc.org>  
San Francisco

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: KC5IJD@aol.com  
Subject: CQs For Sale  
Message-ID: <951119173424\_27651551@emout05.mail.aol.com>

Have the following misc CQs which are extras:

1946 April, June, July, August, November, December

1947 January, May, October (2), December (2)

1948 November

1949 May

1950 January, March

\$ 25.00 plus shipping.

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijjd@aol.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Dave Hockaday <wb4iuy@nando.net>  
Subject: Eico 427 O-scope  
Message-ID: <9511201522.AA14744@merlin.nando.net>

Hello Anchorites...I have a friend (KT4BN) who is trying to revive a

hollow-state Eico 427 O-scope. He picked it up at a local fest, and found it to be in non-working condition. Can anyone help with a copy/original of the manual and/or schematic for this beast??

Thanks!!

73 de WB4IUY

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995

From: af852@rgfn.epcc.Edu (William R Colbert)

Subject: Eldico system

Message-ID: <9511190311.AA14193@rgfn.epcc.Edu>

Used to use the 119 system, our units were first on the air in 1962 and consisted of the receiver, transmitter, station control/wattmeter/phonepatch, and linear amp. Rumor had it that some of the Collins engineering staff had gone to work for Eldico and developed the 119 system - not sure if they got into a copyright battle or not, but the units did not seem to stay around for very long. ElJay, Eldico was a U.S. company, out of Long Island, NY and started making SSB transmitters in the early 50's. One of the best units(IMHO) was the SSB-100F (amateur bands) or SSB-100MIL for any frequency - change the range crystal, with the SSB-1000F linear amp. The linear used a pair of 4x250B's first, then changed to the 4CX250B's. We modified ours to a floor mounted power supply and a pair of 4-1000's. But in its original configuration, the linear was a fine desk top unit. It may not have been Collins, but it certainly was not Japanese. AAgain, BA enthusiasts wouldn't do badly by an Eldico exciter and amplifier. Oh - I believe the final was a 5894, 829B would work with lower output.

73, Ray, W5XE, El Paso, Tx

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: "Hal R. Waite" <halwaite@netcom.com>

Subject: Re: Eldico system 100F

Message-ID: <Pine.SUN.3.91.951120114836.21465B-100000@netcom8>

The final tube for the Eldico was the 5894 which are not too hard too come by. The power output is about 75 watts maximum which is below the 100 watts required for grounded grid linears. I have one of these and the inside is built just like the Collins equipment- beautiful.

This item is for trade if anyone is interested.



73, Hal K4GFI/7 halwaite@netcom.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: Fair Radio Supplement  
Message-ID: <9511201426.AA01815@syseng1.se.melpar.esys.com>

>But what really blew my socks off was the WJ8718 rx for \$2400!! This is  
>an LED readout early 1970's (according to Janes) rx. Think I'd rather  
>save my dough and get an HF1000, with DSP filters!!

I called W-J a couple of minutes ago, and my buddy Ray Lyon (forget his call) confirmed that the WJ-8718 is a late 1970s issue which sold originally for \$7500 in single-lot quantity. In lots of 100, the price dropped to somewhere in the \$4000 range. If you want to order one today, it will cost you \$30,000 (very labor-intensive design, lots of specially-fabricated hardware, difficult to find some of the parts anymore, etc.)

Ray's comment was "Why would you buy one of those for \$2400 when you can buy a nice HF1000?" Shaun, I guess great minds think alike..... ;-)

73,

Paul, K4MSG

|                               |                                   |
|-------------------------------|-----------------------------------|
| * Paul H. Bock, Jr.           | * Principal RF Systems Engineer   |
| ( _ ) * E-Systems/FC Division | * Telephone: (703) 560-5000 x2062 |
| ) * 7700 Arlington Blvd.      | * Internet: pbock@melpar.esys.com |
| * Falls Church, VA 22046      | * Mailstop: N203                  |

"What? Us, Interfere? Of course we're going to interfere!  
Do what you're best at, that's what I always say!" -- Dr. Who

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: rbsingl@rs6000.cmp.ilstu.edu (rodger singley)  
Subject: found 25K 4 watt pot  
Message-ID: <9511201918.AA172487@rs6000.cmp.ilstu.edu>

Fellow BA'ers,

Roger McCarty (KD6CC) has E-mailed me that he has the unit I need. Thanks for all of the replies and advice from the group. Listen for my (hopefully

non-chirping) Valiant soon!

Rodger WQ9E

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Steve Ellington <n4lq@iglou.com>  
Subject: FS: SX-25 Super Defiant  
Message-ID: <Pine.SOL.3.91.951120143625.28405A-100000@iglou2>

Vintage 1942;  
Front panel is nearly perfect. All original knobs. Dial lettering looks great, Knobs all original. Scratches on top lid.  
Seems to be working fairly well.

This has two RF amp stages and push-pull 6F6's for the audio amp. The original output transformer has been replaced with one for 8 ohms.

\$150 plus shipping

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: dma@IslandNet.com (Jan Skirrow)  
Subject: Re: FYI Fair Radio has Collins KWM-2  
Message-ID: <m0tHa0y-0005ZNC@island.amtsi.bc.ca>

>Hello BA's  
>FYI  
>Got Fair Radios fall Supplement last night.  
>Listed are Collins KWM-2 or KWM-2a not sure with PM-2s  
>that are fresh from service with Uncle Sam.  
>Do not have it here with me at work,  
>but I think the price was like \$495.00 ? for checked.  
>  
>Fred Bohner Arlington Va.  
>Email address is oranges@frb.gov  
>MESSAGE FOR PERSONAL USE NOT OFFICIAL USE  
>  
>  
All sold out!!

Jan Skirrow

VE7DJX

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: Lrware@aol.com  
Subject: Good tube tester  
Message-ID: <951118224509\_86260597@mail04.mail.aol.com>

OK guys, I've been bit one time too many now. Once again my cheap emission tube tester lied to me... #\$\$%&!!! darn thing!  
Anybody got a good working Hickok 600 or equivalent W/charts and manual for sale?  
Will pay going rate plus shipping for a good unit. Does not have to be "collector" quality, I want to use it, not display it...

Thanks, Larry Ware  
lrware@aol.com

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: w7ni@teleport.com (Stan Griffiths)  
Subject: Re: Good tube tester  
Message-ID: <199511192322.PAA24340@desiree.teleport.com>

>OK guys, I've been bit one time too many now. Once again my cheap emission  
>tube tester lied to me... #\$\$%&!!! darn thing!  
>Anybody got a good working Hickok 600 or equivalent W/charts and manual for  
>sale?  
>Will pay going rate plus shipping for a good unit. Does not have to be  
>"collector"  
>quality, I want to use it, not display it...  
>  
>Thanks, Larry Ware  
>lrware@aol.com  
>

Hi Larry,

I have a tube tester question for you. When your tube tester lies to you, does it tell you a good tube is bad or that a bad tube is good?

This may not seem like a serious question to you, but I am not very familiar with tube testers. I have never owned one and there was not a single one in sight at Tekronix all the years I worked there. Tek used the piece of equipment that the tube was to be used in to determine if the tube was good

or bad, ie: if the tube worked (as it was supposed to) in the circuit, it was good. If it didn't, it was bad. In this scenerio, a tube tester is not needed.

I can see another scenerio, however. You have a tube circuit that doesn't work and you don't know why. You are not completely familiar with the circuit and do not have a working unit to compare to nor do you have 20 other experts within 50 feet of you. You also don't have 50 spare tubes to try. A tube tester could be real helpful.

I got out of Tek with a feeling for how hundreds of scope tube circuits should perform. I can look at how a circuit performs and usually tell you if a tube is bad or not if it is one of those circuits I am familiar with. I am in deep trouble trying to do this in a TV set or a piece of early ham gear.

Let me guess: your tube tester usually tells you a tube is good and it still won't perform in the circuit correctly. Am I right? I suspect this is the case since most tube testers, as I understand it, only check a few parameters of the tubes you are testing and may completely overlook the critical one you need. On the other hand, the tube tester may say your tube has "low emission" but maybe your circuit doesn't care . . .

I will be interested in your comments.

Stan W7NI@teleport.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: Good tube tester  
Message-ID: <Pine.SUN.3.91.951119173908.1567A-1000000@crl14.crl.com>

Tube testers can eliminate one variable. Defective tubes have open elements, including open filaments, and shorted elements. Some tubes are gassy. Emission is almost a secondary issue, though it is appropriate sometimes to balance emission between two tubes for push-pull applications. Of course it is easy to run across a tube that looks band-new that has almost no emission.

I have an HR0-7R that had been "going on the blink." I finally narrowed the problem to the first IF tube. If I pulled it out and put it in again, the set would work perfectly for about two weeks. I soldered all the pins on the base of the octal tube, and the tube worked for about a month before quitting again. I finally pulled it and put it in the Hickok tube tester and found it dead until I 'flicked' the side with a finger. The tube resumed its "perfect" operation. No amount of tapping or filament

variation would make any difference. It did go in to the round file and the receiver has worked ever since.

I have another case where I was rebuilding an old time AM receiver. The set had an obnoxiously loud hum. I didn't have a tube tester when I was working on it, and abandoned the project. I later tested the tubes in the set and found the detector had a filament to cathode short which I suspect is (partly) the cause of the hum problem I was having.

If one has a large spare parts resource, substitution is the best way to locate a problem. But tube testers can be very helpful and can help to eliminate tubes as suspect. Retubing a set is not as common today as it once was, and in many cases not necessary.

73 de Bill, AB6MT  
bilsmith@crl.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Michael Covington <mcovingt@ai.uga.edu>  
Subject: Re: Good tube tester  
Message-ID: <199511200209.VAA20639@aisun1.ai.uga.edu>

Picking up on that...

Could someone tell us how to measure the parameters of a tube? That is, how to test a tube by breadboarding a test circuit around it and making some measurements of its characteristics?

--

|                                |   |
|--------------------------------|---|
| Michael A. Covington           | <a href="http://www.ai.uga.edu/faculty/covington/">http://www.ai.uga.edu/faculty/covington/</a> |
| Artificial Intelligence Center | <><   |
| The University of Georgia      | Unless specifically indicated, I am   |
| Athens, GA 30602-7415 U.S.A.   | not speaking for the University.  |

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: Good tube tester  
Message-ID: <199511200608.AAA18043@zoom.bga.com>

As Stan Griffiths said

>

> I have a tube tester question for you. When your tube tester lies to you,  
> does it tell you a good tube is bad or that a bad tube is good?

>

> This may not seem like a serious question to you, but I am not very familiar

> with tube testers. I have never owned one and there was not a single one in  
> sight at Tektronix all the years I worked there. Tek used the piece of  
> equipment that the tube was to be used in to determine if the tube was good  
> or bad, ie: if the tube worked (as it was supposed to) in the circuit, it  
> was good. If it didn't, it was bad. In this scenerio, a tube tester is not  
> needed.

>

Don't feel like the Lone Ranger, Stan. If Millen had a tube tester, it must have been buried in with all the other WWII Junque. Probably would have been a pre-octal jobbie, good for testing 45's, 47's, and 80's. The working test equipment in that place was mostly museum relics, and while I got some use out of some stuff that had been stashed away, I never saw any tube testers in there. Just rows and rows of new in cartons 80's and 6C6's. Never saw one at General Electronics Labs, either. And, like Stan, if Tektronix had any, I never saw them. At Tek, if you wanted to run a tube out of the circuit, you could go fetch a 570. I think the one time I did that, I set some voltages wrong and blew up a good tube. I always heard that tube testers were for selling tubes.

Most of the tube faults I've seen recently were either so obvious (like an open heater---tube doesn't glow in the dark) or wouldn't have shown up on a tube tester. A little work with a meter for DC conditions, and with a scope for AC, generally smokes out the offender. A quick sketch of the circuit usually shows the approximate voltages that one should see. I think the last tube I replaced had B+ on the plate, ground on the grid, and -150 on the cathode. Obviously not conducting. The one before that was a 6V6 that developed a short and took out the cathode resistor. And I recall replacing a 6U8 in an HP meter power supply that was noisy. Dunno what a tube tester would have shown, but a little scoping on it showed pretty quickly where the noise was coming from. The infamous heater-cathode leakage causing hum shows up with a quick scope check----if there's hum on the cathode and plate with the grid grounded, and the power supply is clean, then you've just found the trouble.

I remember years ago, when I was fixing dogs that came from various shops that didn't want to waste money-making time on dogs, I get sent a communications set from a guy who usually trouble-shot the dogs and only sent me nasty work, like power transformers. Symptom was "works fine on mid-band, all bands, dead at the ends of all bands. Tubes all test OK." A little playing around with it, and some out-and-out substitution---the set had a 6A8 that had something weird. I never did figure out what was wrong with the tube, but a new 6A8 brought the thing right back to life.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Jeffrey Herman <jherman@hawaii.edu>  
Subject: Re: Good tube tester  
Message-ID: <Pine.SV4.3.91.951119202738.27544F-100000@uhunix5>

> I remember years ago, when I was fixing dogs that came from various  
> shops that didn't want to waste money-making time on dogs, I get sent a  
> communications set from a guy who usually trouble-shot the dogs and

Wow Hank - were you also a vet? (heehee)

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: steve@hi.com (Steve Byan)  
Subject: Re: Good tube tester  
Message-ID: <v02130508acd644e75a75@[140.243.30.128]>

>Could someone tell us how to measure the parameters of a tube? That is,  
>how to test a tube by breadboarding a test circuit around it and making  
>some measurements of its characteristics?

This is covered well in Terman's "Measurements in Radio Engineering". I  
have the mid-thirties edition; I haven't seen the later ones.

Regards,  
-Steve

|   |                        |
|---|------------------------|
| Steve Byan                                | internet: steve@hi.com |
| Hitachi Computer Products (America), Inc. |                        |
| 1601 Trapelo Road                         | phone: (617) 890-0444  |
| Waltham, MA 02154                         | FAX: (617) 890-4998    |

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: rbiddle@MadVax.mo.ti.com (Richard Biddle)  
Subject: Heathkit HW101 vernier needed  
Message-ID: <9511190622.AA29126@MadVax.mo.ti.com>

After de-mousing mu \$25 HW101, I appear to have a good functional radio, except.....

Anyone happen to have the vernier mechanism for the vfo. The on on the knob end of the shaft apparently got way bent. The little mousey also ate part of the vfo dial (not to mention he liked wires too).

I also came across something I haven't seen before - a rusted in two tube socket. It really ate my lunch for a while since there was good voltage on the top and bottom of the socket, just not to the tube pins.

Also, if anyone has an extra set of manuals for the HW101 that they would like to part with, let me know. I'd rather spread the money around the list then the commercial folks.

This has been a great project since it reminded me of the HW101 I had over 23 years ago.

Thanks,  
Richard, KB5WLH  
rbiddle@madvax.mo.ti.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Michael Crestohl <mc@shore.net>  
Subject: HELP! INFO NEEDED ON C.E.I. EQUIPMENT  
Message-ID: <199511201257.AA19922@northshore.ecosoft.com>

Hello Everyone:

I'm doing a bit of research and hope that someone out here can help.

Does anyone out there have a catalogue from the mid-sixties from a company called Communications Equipment Inc. (C.E.I.)? I am interested in finding out more about their radios, products, prices, etc.

Yes, these count as boatanchors because they used Nuvistors!

I believe that there were two versions of their catalogues.

I am mildly interested in early Watkins-Johnson catalogues, but my main interest is C.E.I.

If you have anything that can help me in this project please reply by e-mail.

73,



Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: HELP! INFO NEEDED ON C.E.I. EQUIPMENT  
Message-ID: <9511201933.AA09107@syseng1.se.melpar.esys.com>

>I'm doing a bit of research and hope that someone out here can help.  
>  
>Does anyone out there have a catalogue from the mid-sixties from  
>a company called Communications Equipment Inc. (C.E.I.)? I am interested  
>in finding out more about their radios, products, prices, etc.  
  
>I am mildly interested in early Watkins-Johnson catalogues, but my main  
>interest is C.E.I.

CEI was bought out by Watkins-Johnson Co., and became the  
CEI Division at Gaithersburg. This division was merged with  
another division in the '80s to become the CET Division.

You might consider writing to W-J at the following address,  
telling them of your interest, and perhaps they can answer  
questions regarding the history of CEI. They used to have pretty  
good archives (I worked there in 1990).

The address is:     Watkins-Johnson Co.  
                      CET Division  
                      700 Quince Orchard Road  
                      Gaithersburg, MD 20878-1794  
                      (301) 948-7550

CEI made the R-1279/URR VHF receiver, among others. We used  
these on the USS BELMONT (AGTR-4) for VHF signal collection in  
the 1960s. As I recall, there was a 300-1000 MHz frequency  
extender they also made that was used with the receiver.

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: nielw@ix.netcom.com (Niel Wiegand)  
Subject: HQ120 For Trade

Message-ID: <199511200037.QAA24226@ix3.ix.netcom.com>

I have an untested/restorable HQ120. I would rather have a National NC46, NC80 or NC81. E-mail me if you would like to discuss a trade.

Thanks, Niel - WA5VLZ

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995

From: "Allan Fritsche" <fritsche@msn.com>

Subject: Hr-10B revisited.

Message-ID: <UPMAIL03.199511192316090811@msn.com>

While it was raining in Houston today (almost always in Fall), I took the old Hr-10B down to the work bench, pulled all tubes, made resistance and voltage checks and all seems well. Why can't I Peak the 1682 KC IF.s without a shrill scream when then rf is turned up. Put everything back together and noticed that I had only two(2) tube shields instead of three the manual stated. The BFO was leaking so much RF without its shield, even turned off that it beat with the if's some how. I moved the shield from the first IF amp to the BFO tube and cured that problem. No problem you say, I then went looking for a extra tube shield in my junk boxes and lo and behold , I must have thrown them all out. I guess a trip to EPO in Houston tomorrow to see if they still carry. Mean while I wrapped a piece of copper around the 1st IF tube. Seems to work ok as I could listen to all the contest sweepstakes folks last evening. A thing to remember from all this garbage, If you have tube sockets that are designed for shields and they are missing. (BEWARE). The dam things were put in for a reason.

Al Fritsche  
fritsche@msn.com

PS, I guess Ive never run into this problem before as all I have for boats is an s-85 and a 3-38C which have metal tubes.

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995

From: Grant Youngman <gyoungma@gtetel.com>

Subject: HR0-60 Power-on POP ?

Message-ID: <Chameleon.951118214026.gyoungma@gyoungma.gtetel.com>

My otherwise fine HR0-60 has begun to exhibit a very loud KaWHACK! in the audio about 3-5 seconds after I power it on -- volume independent of the audio

gain setting. One loud pop and everything is fine. The filter caps are new (well, maybe a year old).

Anyone have a suggestion where I should explore first to fix this annoying problem?

Thanks .. Grant

-----  
Grant Youngman -- NQ5T

WANTED: Hammarlund SPC-10

gyoungma@gtetel.com  
-----

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995

From: Henry van Cleef <vancleef@bga.com>

Subject: Re: HRO-60 Power-on POP ?

Message-ID: <199511190443.WAA27210@zoom.bga.com>

As Grant Youngman said

>

> My otherwise fine HRO-60 has begun to exhibit a very loud KaWHACK! in the  
> audio about 3-5 seconds after I power it on -- volume independent of the audio  
> gain setting. One loud pop and everything is fine. The filter caps are new  
>

For what it's worth----my S-36A developed a "brrp" on dead cold power-up that would last a second, then was fine. It wouldn't do it if I shut the set off after about 30 seconds of operation, let it cool for ten minutes, and powered it up again. About the time I started to investigate, the fault went hard, and I lost all audio. Turns out a 6V6 developed a G2-G1 short. When it went hard, it took out the cathode resistor "immediately."

You might try changing the output tube(s) and see if it goes away.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: "William L. Fuqua III" <wlfuqu00@service1.uky.edu>  
Subject: HT-12  
Message-ID: <199511201308.IAA27393@service1.cc.uky.edu>

I have found a powersupply for a HT-12 transmitter. Does anyone know anything about this rig?  
I have not found anything in my old handbooks but figure that it must be 1940's vintage.

73  
Bill ko4ww

William L. Fuqua III P.E.  
Department of Physics and Astronomy  
CP-177 Chem. Phys. Bldg.  
University of Kentucky  
Lexington, Ky 40506-0055  
E-mail WLFUQU00@POP.UKY.EDU  
Phone (606) 257-4155

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: IF Transformers  
Message-ID: <Pine.3.89.9511191248.C13716-01000000@mesa5.mesa.colorado.edu>

I am looking for some 1600 kc and 460 kc IF transformers and BFO transformers. Please give me a shout if you have any to sell. I'd prefer the larger ones (about 1-1/4" square) but will take the smaller ones (about 3/4" square) if that is all that is available. I am not particular about the brands. I don't think that makes much difference.

Jim Rybak W0KSD

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: Re: Johnson Adventurer questions  
Message-ID: <9511201753.AA06304@syseng1.se.melpar.esys.com>

>My Adventurer manual dated 11/54 specifies a Phono Jack for the antenna  
>connector and shows one in the drawings and photos as well.

>Charlie K0THN

Well, my repro manual, which has most pages dated 1954 but some updated to 1956, is the same.

Based on information received to date, it appears that the Adventurer did, indeed, always have an RCA connector for the antenna. Another case of memory error from yours truly..... ;-)

BTW, for those who may be interested it was necessary to \*COMPLETELY\* disassemble the transmitter down to every last nut, washer, and wire. It was without doubt the most abysmal assembly job I have ever had the misfortune to examine. \*EVERY SOLDER JOINT\* was either cold or rosin, and many were loose. Although all major parts were in the correct locations, there were lots of missing or mis-placed lockwashers and other hardware pieces. A certain amount of corrosion had to be removed from some solder lugs and switch contacts (and solder points). Every wire was removed (fortunately, 99% had never had the ends bent around the point to which soldered), straightened, and laid out in order on a table.

Assembly of the unit is proceeding nicely, and in full accordance with the step-by-step procedure in the manual. A couple of digressions were necessary to repair the oscillator coil (lower portion of winding was severed and loose) and clean out and check the meter (now \*THERE's a piece of work for you: No damping, no zero adjust, pivot barely supported between a cheap brass stamping. It was carefully disassembled, cleaned, and reassembled, but I'd rather have a decent 10 ma Triplet meter in there even if it's not original.....).

I'll report again when it's together and tested.....

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: "William C. Robbins" <billrobb@serv01.net-link.net>  
Subject: Krinkle Paint  
Message-ID: <199511201949.0AA06112@serv01.net-link.net>

I am about to refinish an old DX-40 cabinet. It had the medium "Heath" gray coloring. Not being experienced in either painting or krinkling, I just know someone here knows how to go about it.

HELP....Please.

Bill WA8CDU

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: berg stephen erik <z931086@corn.cso.niu.edu>  
Subject: Re: Lesson learned from the list  
Message-ID: <Pine.3.89.9511182017.A20028-0100000@corn.cso.niu.edu>

I shipped 2 old computers to a friend in upstate New York. I packed them with strong boxes and plenty of shredded paper and bubble pack. There was several inches of packing around each unit. Ups lunched both hard drives. I filed a claim on the second one and after a month or so was reimbursed for the replacement cost. Now I have to talk her through the installation procedure and hope for the best. I do not know where in the shipping process they drop the boxes off the roof, but it is hard to pack stuff well enough. Don Merz, and Steve Thomason have both shipped heavy BA's to me and done a great job. Steve's packing job on the Johnson Thunderbolt was a work of art. It was double boxed and had sheet polystyrene foam too. I do wish I could have video taped me getting the box up my steps into the house. It was like wrestling with a 150 pound cardboard bean bag chair! I guess that we have to take our chances with shipment, but as others have pointed out, it is a good idea to err on the side of overpacking. If a Thunderbolt can arrive unscathed, I would imagine that most any other item could.

73,

Steve WA9JML

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: Lit & Gear FS  
Message-ID: <951119214919\_71333.144\_DHB33-1@CompuServe.COM>

Old Gear and Literature For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

LITERATURE (PPD = Postage Paid)

Heathkit SB-201 linear amplifier assembly manual. Original. Complete, \$15 PPD  
 WWII Signal Corps message pads. Used by radio operators to transcribe messages.  
 Brand new. Neat military shack accessory. \$6 each PPD  
 ARRL Antenna Book. 9th edition, 1960. \$16 PPD  
 Howard Sams' "101 Ways To Use Your Oscilloscope." 1961. \$9 PPD  
 Audel's "Blueprint Reading For Mechanics and Builders." 1941. Excellent  
 hardback. \$14 PPD  
 Lunt, "Everyday Electricity." 1928. Great photos and Illustrations. Hardnback  
 with gorgeous embossed cover. \$21 PPD  
 QST Magazine--All In Excellent Condition.  
 1952. Complete. With "QST Library" shelf organizer. \$15  
 1955. Complete. With "QST Library: shelf organizer. \$15  
 1957. Complete. With "QST Library" shelf organizer. \$15  
 1958. Complete. With "QST Library: shelf organizer. \$15  
 1959. Missing 7,8,9,12. With "QST Library" shelf organizer. \$8  
 1964. Includes 1,3,5,7,8,10 issues only. \$6  
 CQ Magazine: 1950: 2,5 issues only. \$2

#### GEAR AND ACCESSORIES

King Radio "Airborne Transciever KY-95" with matching KS-501 transistorized  
 13.75vdc power supply (but no cable to connect the two units). Looks okay.  
 Very small unit for a tube-type rig. 119 - 131 mhz. Untested. \$24  
 Polytronics hand held microphone. Stainless steel mic sold as original  
 equipment with the PolyComm 2, PolyComm 6, PolyComm 6+2 and the PolyComm  
 23 Senior radios. With Polytronics tag, original cable and connector. \$13  
 Military PP-629/URR power supply. 24 - 33.5vdc at 17 amperes. 19" gray rack  
 mount with paint color and handles that match R390. Also uses R390-style  
 power connector for input. Excellent condition. Takes up 10.5" of rack  
 space. \$59  
 Simpson 650 analog VTVM. RF AC to 500V, 1000VDC + ohms. No power cord. Quite  
 nice. \$19  
 Heath IT-22 capacitor tester. Go/no-go with tuning eye indicator. Nice+. \$14  
 Heath AM-2 SWR meter. Good. \$8  
 Heath QF-1 Q-multiplier. Fair to good. \$11  
 Heath QF-1 Q-multiplier. Very good to eyxcellent. \$18  
 Heath Seneca 6 and 2 meter AM/CW transmitter. Styling matches the Mohawk and  
 Apache rig. All original. Front panel is excellent. Case has some spots  
 where paint has deteriorated (but is still there--it's just rough). With  
 mic connector. Untested. \$45  
 Heath HS-24 speaker. Matches HR-10, I think. Excellent. \$25  
 Heath HS-1661 speaker. Matches 16x1 rig, I think. Scratched on top but rare  
 as chicken lips. \$29  
 Four Star FS-701 shirtpocket transistor radio. With box. papers and  
 earphone. Brand new as far as I can tell.  
 Simpson Test Meters. These are 7" tall, 3' wide and 2" deep with the meter  
 and a binding post for each range. Bakelite.

Model 375: 0 - 25 Amperes DC. 1 binding post broken. \$8  
Model 370: 0 - 25 Amperes AC. Excellent. \$12  
Model 378: 0 - 100 Milliamperes AC. Excellent. \$12  
Gonset 6 Meter converter for AM car radio. Dirty, untested. \$9

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: Dave Hockaday <wb4iuy@nando.net>  
Subject: NC-300 rx  
Message-ID: <9511200030.AA23421@merlin.nando.net>

Does anyone have a manual/schematic for a National NC-300?? I had one to follow me home from a local fest today...it's in need of some serious work. Missing many tubes but otherwise intact, I would like to breath new warmth into it's cold metal cabinet. Any help would be appreciated.

73 de Dave WB4IUY

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: rbsingl@rs6000.cmp.ilstu.edu (rodger singley)  
Subject: need 25K 4 Watt pot  
Message-ID: <9511201419.AA14802@rs6000.cmp.ilstu.edu>

If someone has or knows where I can find a 25K 4 watt (or preferably greater) wirewound pot, I need a replacement for the drive control on my Viking Valiant (AES only stocks lower value units and my junkbox is well stocked with 100K's). These pots apparently caused a fair amount of trouble on the Valiants as I bought a parts unit along with a "restored" unit and the pot is mechanically noisy on the good unit and missing on the parts unit. I disassembled the noisy unit and the wire is not well anchored in place-seems to work but I have a feeling it will fail in the near future (yes-I know that most wirewound units make noise but this one could be used like a guitar if one were musically inclined). Other than this small problem, my "new" Valiant is very nice cosmetically and after replacing an 866 socket which had a carbonized path the unit no longer intermittently blows fuses. Replacement of the breakable bakelite insulated coupling between the VFO control and variable capacitor with a much stronger ceramic unit from National took care of an intermittently tunable VFO. The seller did a very nice job of double packing these units (including removal and wrapping of tubes) and units arrived without damage. The UPS man obviously felt they were pretty heavy boxes, they were left at the end of the sidewalk instead of near the door!



I have the unit set-up next to my Tek 556 with 1A2 and 1L20 plug-ins but company staying too late last night prevented scope check, if it looks OK on the scope it will get an on-the-air try later today. It may be my imagination but since I set this unit up next to the HQ-170, my NC-183D seems to have a jealous look on its dials. If the National behaves and remains sensitive, I may give it a Viking 1 for Christmas.

Rodger WQ9E

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: wb4ijn@awod.com (Steve Thomason)  
Subject: Re: need 25K 4 Watt pot  
Message-ID: <199511201449.JAA21290@sumter.awod.com>

>If someone has or knows where I can find a 25K 4 watt (or preferably  
>greater) wirewound pot, I need a replacement for the drive control on my  
>Viking Valiant

Fair Radio has a goodly supply of 20K, 25 watt jobs that are mil-spec. Also QUITE large. I have found that they fit (barely) in all my Johnson transmitters. The are really rheostats vs. wire-wound pots but they work great and should last a few hundred lifetimes.

They only cost a couple of dollars or so.

I have also seen 25K 4 watt pots (supposedly) at some surplus dealers tables at hamfests (NOT Nebraska) and I bought a few myself. Haven't tried them yet so I don't really know if they are 4 watters.

I'd opt for Fair Radio and get ready to do some jiggling.  
73, Steve, WB4IJN

home: 803-871-7749  
work: 803-873-2499

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: jmartin@hrlban1.aircrew.asu.edu  
Subject: Packing and shipping  
Message-ID: <SA39+Qn7gka@hrlban1.alhra.af.mil>

My observations from the last time I shipped a box via UPS... The box started out on a horizontal "roller skate" conveyor table in their office. After the agent weighed it and applied various appropriate stamps/labels and took my money, the box proceeded onto an inclined ramp conveyer which took it

up into the open back end of a truck trailer backed against the loading dock. The box fell off the end of the conveyer, about 4 feet down to the floor of the trailer. Subsequent boxes tumbled down on top of it. A worker periodically would climb into the trailer and pull/stack boxes to keep the area under the conveyer clear. I'm 'glad' it was a quilt my wife had made.

73, John Martin

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: WJoew@aol.com

Subject: RCA Type 1846 Iconoscope Tube

Message-ID: <951120004915\_111430830@emout04.mail.aol.com>

I recently stripped an old military airborne camera (WWII vintage, I think).

Included in the stuff I saved is a wild and wooly looking tube---an RCA type 1846 iconoscope, used for scanning the image. The image screen in the tube is about 4 1/2 " in diameter. Electron gun sticks out at an angle and is about 6 " long.

If there is a tube buff out there who would like to have this most unusual tube, make me an offer I can't refuse and it is yours. I would bet it would work if it were fired up!

Joe

wjoew@aol.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: tech@cs.athabascau.ca (Richard Loken)

Subject: soft startup philosophy and more

Message-ID: <m0tHcC0-0018M9C@aupair.cs.athabascau.ca>

While I am playing head games with a home brew Drake power supply and thought a soft startup circuit would be nice.

The minimum would be a resistor in series with the primary of the power transformer which would be shorted after a half second or so.

I wonder if in the ideal world that one would leave the B+ transformer disconnected for several seconds after the filament supply comes up.

How about a resistor in series with the filament supply to soften the heater warmup which and then short the resistor after 30 odd seconds and then softly turn on the high voltage transformer.

Waddya think? Drake did none of this but tubes were cheap and common and they

didn't buy the replacements.

-----

And thats not all... I have 350V DC and I need 250V DC so I was thinking of using a nice healthy pass transistor and a stack of zeners to get the voltage down to something sensible. Alas, a short would kill it so maybe I should speculate on something like an LM317 lifted very high off the ground...

Yes I know I can use a could cold cathode regulators but I am tired of punching holes.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those  
Athabasca University : tuques we wear, our heads  
Athabasca, Alberta Canada : are naked!"  
\*\* tech@cs.athabascau.ca \*\* : - Arthur Black

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: SFCN03A@prodigy.com (MR DONALD L FLENNER)  
Subject: Speaker  
Message-ID: <013.05165024.SFCN03A@prodigy.com>

Wanted:

I'm looking for the matching speaker for the NC-303. I believe the model number is an NTS-2.

Anyone with an extra one or knowledge of where one might be located would be appreciated.

73, Don KB4SA  
e-mail SFCN03A@prodigy.com

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: Duncan Cadd <dcadd@luc.ac.be>  
Subject: Tek scope giveaway  
Message-ID: <9511201214.AA11727@alpha.luc.ac.be>

Greetings, Anchorites, from a sunny Diepenbeek in N.E. Belgium!

Knowing how many Tek fans there are on this list, I thought I'd forward this note from one of the sci.\* newsgroups

\*\*\*interested parties contact WA2ISE direct please\*\*\*

Thanks.

73,

Duncan ON9CHU / G0UTY G-QRP 8117

\*\*\*\*\*

Subject:

Tektronix 535 SCOPE with 20 plug-in units FREE to  
good home near NJ

Date: Mon, 20 Nov 1995 04:47:16 GMT

From: wa2ise@netcom.com (Robert Casey)

I have an old Tektronix model 535 oscilloscope with about 20 plug in units I would like to GIVE AWAY FREE to anyone willing to come to my home in northeast New Jersey (Oradell, exit 165 of the Garden State Parkway) and pick it up. Worked last time I fired it up a few months ago. Approx 5 inch CRT, bandwidth around 10 to 20 MHz, comes with a scope cart, and a collection of various input signal plug-in units (2 channels, one with 4 inputs). Should be good for audio work, TV repair, some radio work.

I need the space this stuff is occupying, and would rather give it to someone who can use it than just throwing it out.

You gotta take all of it, too heavy to ship, so come and get it.  
e-mail or call 201-261-4066

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: klaudon@PICA.ARMY.MIL

Subject: Tek scope- GONE!

Message-ID: <9511201318.AA23466@batdd6.pica.army.mil>

I e-mailed and called Robert Casey in Oradell, NJ immediately upon receiving the post regarding his scope giveaway. I figured I would be in great shape, since I called right away, and live right nearby. But alas, he said I was Number 2 - he'd call in case the other guy dosen't show.

I am just posting this info as a courtesy, to save him from getting hundreds of calls from OUR list, and to save our listmembers time, money, and bandwidth. I am sure he will STILL get lots of superfluous calls, so I hope nobody thinks that I am trying to narrow down the field!

Posted in good faith, es 73,

Kalman (happy to be back at my .mil job this Monday AM!)

-----  
Kalman Laudon, AA2UQ CW, QRP, Hollow State Radios, and CW!!  
<klaudon@pica.army.mil>  
previously - WD6CZI, WA1SUF  
"Get your facts first, then you may distort them as you please." - Mark Twain  
-----

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: DUBE2@delphi.com  
Subject: Temporary absence  
Message-ID: <01HXT0XHGF89C0GCR@delphi.com>

I'm going to unsubscribe temporarily. Will be moving back to Texas from California, and will be a week or so before I'm back on.

73,  
Dube AB5AP <dube2@delphi.com>

A man with a gun can be disarmed; a man with an idea cannot. -DT

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: jeffa@ix.netcom.com (Jeff Anderson)  
Subject: Test gear for sale  
Message-ID: <199511191217.EAA15067@ix8.ix.netcom.com>

I've posted a list of test equipment that I'm selling (some of it BA related) to rec.radio.swap. If you can't read this usenet group, but would like to see it, let me know, and I'll e-mail you a copy.

- Jeff, WA6AHL

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: bill@texan.frco.com (William Hawkins)  
Subject: Re: Test gear for sale  
Message-ID: <9511191750.AA07134@texan.frco.com>

Yes, please, I'd like to see the list. I get r.r.s one to two weeks late from uunet.

Bill Hawkins bill@bvc.frco.com 612 895-2085 Minneapolis, MN USA

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995

From: lhalvors@pppl.gov (len halvorsen)  
Subject: testpostnewbie  
Message-ID: <199511200204.VAA05631@pppl.gov>

test post de wa2amw new subs.

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: nuucp@ig2.att.att.com  
Subject: UUCP command execution failed  
Message-ID: <9511201926.AA02117@ig2.att.att.com>

Your UUCP remote execution request 'igcA9a72' (11/20-14:26:29)  
failed on system 'ig2'.  
Your request: rmail  
Reason for failure: command exited with exit code 64

From boatanchors@theporch.com Mon Nov 20 20:41:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: WTB SX-71 manual, cover and OBL-5 manual  
Message-ID: <951120184656\_71333.144\_DHB64-11@CompuServe.COM>

WANTED

Manual and clean top (silver) cover for Hallicrafters SX-71.  
Manual for old military oscilloscope OBL-5 made by Electronic Developmnet  
Labs in Chicago. Navy tag has not date but this is a 1939-40 design.

412-234-8819 EST weekdays

Thanks.  
Don, N3RHT  
71333.144@compuserve.com

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: jolson@intergate.net (James Olson)  
Subject: WTB: 1960 ARRL Handbook  
Message-ID: <199511200027.TAA06588@keystone.intergate.net>

Wanted: 1960 ARRL Handbook. I need this edition to complete the 60's  
portion of my collection. I have some spares to trade, or will pay cash.  
Jim, N6IF0/4

770-429-8189

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: MODSTEPH@ACS.EKU.EDU  
Subject: WTB: power xfrmr for DX-40/35  
Message-ID: <01HXU1RJ6YBM000T9S@ACS.EKU.EDU>

In a way a repeat of earlier post - need the power transformer for the Heath DX-40. Further research (thanks, Gary!) shows that it is the same transformer used in the DX-35 - so if you happen to have a "parts" DX-40 OR DX-35 and want to part with the transformer...

Or andy decent transformer in the range of 725-0-725 VDC @ 150 mils or so, I can come up with the 5 and 6 volts for filaments... (did I really say "andy..? - any decent...)

73, Al N5AIT  
modsteph@acs.eku.edu

Allan Stephens  
106 Bobolink Drive  
Richmond, Kentucky 40475  
(606) 624-0762 H

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: bill@texan.frco.com (William Hawkins)  
Subject: Re: WWV operations  
Message-ID: <9511190555.AA07009@texan.frco.com>

Yes, the best you can do by beating 10 MHz against WWV is one beat per second, because the atmospheric conditions cause it to move around that much. You can do much better by long term averaging. I've got an HP 103 crystal secondary standard good for a part in  $10^9$ th. It's hooked to a divider string that ends in a clock (the HP 113) that hasn't gained or lost a second against WWV time announcements. One day, I will get a timer to show the delay between the WWV tick and the tick from the HP clock.

Bought a LaVoie WWV receiver (thanks, Wally) that uses a CRT, but not Lissajous figures, to compare a standard against WWV. One circuit receives WWV on 5 or 15 MHz, and by clever mixing, derives a 10 MHz signal from the WWV carrier. It is used to create a circle on the CRT, rotating at 10 million RPS. The signal from the standard is multiplied up to 10 MHz, and used to intensity modulate the beam. This provides a bright semicircle that rotates

at a rate determined by the difference between WWV and the standard. In use with the HP 103, the semicircle moves around with the changes in propagation of WWV, but doesn't rotate. One day, I had WWVH and WWV fading in and out. The semicircle would flip from one side of the CRT to the other as Colorado and Hawaii alternated.

Now as to whether you need more than  $10^{-7}$ th accuracy for VHF and UHF, that would seem to be a problem. It takes very careful construction to get better stability. Seems like a handheld unit would have trouble keeping the oven hot, on batteries. Maybe when you get to 500 MHz, you can't set it within 500 Hz.

Bill Hawkins bill@bvc.frco.com 612 895-2085 Minneapolis, MN USA

From boatanchors@theporch.com Mon Nov 20 02:24:00 1995  
From: Dave Creek <dcreek@pixi.com>  
Subject: Re: WWV operations  
Message-ID: <Pine.PCW.3.91.951118215955.2463A-1000000@gamera11.pixi.com>

On Sat, 18 Nov 1995, William Hawkins wrote:

> Yes, the best you can do by beating 10 MHz against WWV is one beat  
> per second, because the atmospheric conditions cause it to move  
> around that much. You can do much better by long term averaging.  
> I've got an HP 103 crystal secondary standard good for a part in  
>  $10^{-9}$ th. It's hooked to a divider string that ends in a clock (the  
> HP 113) that hasn't gained or lost a second against WWV time  
> announcements. One day, I will get a timer to show the delay  
> between the WWV tick and the tick from the HP clock.

> Bill Hawkins bill@bvc.frco.com 612 895-2085 Minneapolis, MN USA

When I worked in the USAF Cal Labs overseas we used the same setup as a local standard.

The cal procedure involved using a triggered scope with the external trigger driven by the 1 PPS output of the divider and the vertical input connected to the audio out of a WWV Receiver. The 1PPS break in the tone was displayed.

The fine frequency vernier of the 103 was adjusted to stop the drift of the WWV pulse. The amount of the correction was noted and this procedure was repeated every day.

The adjustment was made at the same time every day, preferably when it was dark at both WWV and the receiving station.

After several days of adjustments the corrections were smaller and



smaller. After several days with no adjustment required, the HP 103 was considered stable and then only checked once a month.

Hope this is some use.

73 es Aloha,

Dave Creek, NH6BA  
Ewa Beach, HI  
dcreek@pixi.com